
Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2008; month=3; day=11; hr=12; min=25; sec=32; ms=495;]

Reviewer Comments:

<110> Jackson, Aimee L.

Bartz, Steven R.

Burchard, Julja,

Linsley, Peter S.

Ge, Wei

Cavet, Guy L.

<120> METHOD OF DESIGNING SIRANS FOR GENE SILENCING

Please change "SiRANS" in the above <120> response to "siRNAS"

<210>

335

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand in construction of siRNA library

<400> 335

actaactaga atcctccag

19

Please move the above "335" upto the <210> line shown in the attachment above.

******	******	******	*****	

Validated By CRFValidator v 1.0.3

Application No: 10577696 Version No: 2.0

Input Set:

Output Set:

Started: 2008-02-26 12:11:33.239

Finished: 2008-02-26 12:11:38.236

Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 997 ms

Total Warnings: 990

Total Errors: 2

No. of SeqIDs Defined: 990

Actual SeqID Count: 990

Err	or code	Error Description	on								
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(1)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(2)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(3)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(4)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(5)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(6)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(7)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(8)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(9)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(10)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(11)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(12)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(13)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(14)
M	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(15)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(16)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(17)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(18)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(19)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(20)

Input Set:

Output Set:

Started: 2008-02-26 12:11:33.239

Finished: 2008-02-26 12:11:38.236

Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 997 ms

Invalid Sequence ID Number; Expected 335 as next SeqID but skipped

Total Warnings: 990

Total Errors: 2

No. of SeqIDs Defined: 990

Ε

212

Actual SeqID Count: 990

Error code Error Description This error has occured more than 20 times, will not be displayed E 201 Mandatory field data missing in <210> Expected SEQID 335

SEQUENCE LISTING

```
<110> Jackson, Aimee L.
     Bartz, Steven R.
     Burchard, Julja,
      Linsley, Peter S.
      Ge, Wei
      Cavet, Guy L.
<120> METHOD OF DESIGNING SIRANS FOR GENE
 SILENCING
<130> 9301-244-999
<140> 10577696
<141> 2008-02-26
<150> PCT/US2004/035636
<151> 2004-10-27
<150> 60/515,180
<151> 2003-10-27
<150> 60/572,314
<151> 2004-05-17
<160> 990
<170> FastSEQ for Windows Version 4.0
<210> 1
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> an example of siRNA
<400> 1
                                                                   19
gcgttaatgt gataatata
<210> 2
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 2
                                                                   19
tgttgtccgg ctgatggac
<210> 3
```

<211> 19

<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
	•	
<400>	3	
	tactg ctctccagt	19
accec	tacty crotocayt	1)
<210>	1	
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	4	
cttaa	cacgg atgctggtg	19
<210>	5	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
	•	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
	In competation of bilant linear	
<400>	5	
	gettt etaggaeet	19
ggaga	gotte otaggatot	
<210>		
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	6	
agtca	teceg cagageege	19
<210>	7	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	7	
ヘュロロク	<i>I</i>	

atcgtagtgc ttgtactta

```
<210> 8
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 8
                                                                    19
ggagacgtac cgctgcatc
<210> 9
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 9
gcagtgattg ctcagcagc
                                                                    19
<210> 10
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 10
gagtttaccg accaccaag
                                                                    19
<210> 11
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 11
                                                                    19
tgcggatgcc attcagtgg
<210> 12
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
```

<400>	12	
cacggt	ttggc agagtctat	19
<210>	13	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	13	
gcaagt	ttgag ctctaccgc	19
-		
<210>	14	
<211>	19	
<212>		
	Artificial Sequence	
\213/	Altilitial Sequence	
<220>		
	DNA goggenes governmenting to giPNA gongs strong	
\ 2232	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
. 100>	1.4	
<400>		
tggcca	agege ttaetggaa	19
<210>		
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	15	
gttcaa	aaagc tggatgatc	19
<210>	16	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
	-	
<400>	16	
	ctata cccctcaaa	19
<210>	17	
<211>		
<212>		
	Artificial Sequence	
_ I _ J /	interface bequeince	

<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
	in construction of sinday library	
	4.7	
<400>		
agaaco	cgaat cgtctagag	19
<210>	18	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
	DNA sequence corresponding to siRNA sense strand	
\223/		
	in construction of siRNA library	
<400>	18	
cacgat	gcat agccatcct	19
<210>	19	
<211>	19	
<212>	DNA	
	Artificial Sequence	
\Z13/	ATCITICIAL Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	19	
		19
		19
cagaga	acaga atctacact	19
cagaga <210>	acaga atctacact 20	19
cagaga <210> <211>	acaga atctacact 20 19	19
<210><211><212>	20 19 DNA	19
<210><211><212>	acaga atctacact 20 19	19
<210><211><212>	20 19 DNA	19
<210><211><212>	20 19 DNA	19
<210> <211> <212> <213> <223>	20 19 DNA	19
<210> <211> <212> <213> <223>	20 19 DNA Artificial Sequence	19
<210> <211> <212> <213> <223>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand	19
<210> <211> <212> <213> <223>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library	19
<210> <211> <212> <213> <223> <400>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library	
<210> <211> <212> <213> <223> <400>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library	19
<210> <211> <212> <213> <223> <400> caacac	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library 20 gaagg ttgtcttgt	
<210> <211> <212> <213> <223> <400> <aacaa< td=""><td>20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library 20 gaagg ttgtcttgt</td><td></td></aacaa<>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library 20 gaagg ttgtcttgt	
<210> <211> <212> <213> <223> <400> caacac <210> <211>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library 20 gaagg ttgtcttgt	
<210> <211> <212> <213> <223> <400> caacag <211> <211> <211>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library 20 gaagg ttgtcttgt 21 19 DNA	
<210> <211> <212> <213> <223> <400> caacag <211> <211> <211>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library 20 gaagg ttgtcttgt	
<210> <211> <212> <213> <223> <400> caacag <211> <211> <211>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library 20 gaagg ttgtcttgt 21 19 DNA	
<210> <211> <212> <213> <223> <400> caacag <211> <211> <211>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library 20 gaagg ttgtcttgt 21 19 DNA	
<pre><210> <211> <212> <213> <213> <220> <2213> <400> caacac <210> <211> <212> <213> </pre>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library 20 gaagg ttgtcttgt 21 19 DNA	
<pre><210> <211> <212> <213> <213> <220> <2213> <400> caacac <210> <211> <212> <213> </pre>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library 20 gaagg ttgtcttgt 21 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand	
<pre><210> <211> <212> <213> <213> <220> <2213> <400> caacac <210> <211> <212> <213> </pre>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library 20 gaagg ttgtcttgt 21 19 DNA Artificial Sequence	
<pre><agage <210=""> <211> <212> <213> <223> <400> caacag <210> <211> <212> <213> <221></agage></pre>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library 20 gaagg ttgtcttgt 21 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library	
<pre><210> <211> <212> <213> <223> <400> caacac <210> <211> <212> <213> <400> <210> <211> <212> <213> </pre>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library 20 gaagg ttgtcttgt 21 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library	19
<pre><210> <211> <212> <213> <213> <220> <223> <400> caacac <210> <211> <212> <213> <400></pre>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library 20 gaagg ttgtcttgt 21 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library	
<pre><210> <211> <212> <213> <213> <220> <223> <400> caacac <210> <211> <212> <213> <400></pre>	20 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library 20 gaagg ttgtcttgt 21 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library	19

<211> 19

	DNA	
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	22	
gctca	cggtc attaccgag	19
<210>	23	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	23	
cctga	ggaac attactcgg	19
<210>	24	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	24	
tgctg	acctc tgttacctc	19
<210>	25	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
<223>		
<223>	DNA sequence corresponding to siRNA sense strand	
<223>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library	
<400>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library	19
<400>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 25	19
<400>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 25 cggcc tgtgtagct	19
<400> cgaca	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 25 cggcc tgtgtagct	19
<400> cgaca	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 25 cggcc tgtgtagct 26 19	19
<400> cgaca <210> <211> <212>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 25 cggcc tgtgtagct 26 19	19
<400> cgaca <210> <211> <212>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 25 cggcc tgtgtagct 26 19 DNA	19
<400> cgaca <210> <211> <212>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 25 cggcc tgtgtagct 26 19 DNA Artificial Sequence	19
<400> cgaca <210> <211> <212> <213>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 25 cggcc tgtgtagct 26 19 DNA Artificial Sequence	19
<400> cgaca <210> <211> <212> <213>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 25 cggcc tgtgtagct 26 19 DNA Artificial Sequence	19
<400> cgaca <210> <211> <212> <213>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 25 cggcc tgtgtagct 26 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand	19

cggcagccag agcatgtac

```
<210> 27
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 27
                                                                    19
ccagaacttg cagcaactg
<210> 28
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 28
cctcacggtc atccgcggc
                                                                    19
<210> 29
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 29
ctacgccctg gtcatcttc
                                                                    19
<210> 30
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 30
                                                                    19
tctcaaggat attgggctt
<210> 31
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
```

<400>	31	
ggatat	tggg ctttacaac	19
<210>	32	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>		
cattac	ctcgg ggggccatc	19
0.1.0		
<210>		
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>		
aatgct	rgacc tctgttacc	19
<210>		
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>		
ctggat	ccgta agaaggcag	19
<210>		
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>		
tggaaq	ggtga aaggtcacc	19
<210>		
<211>		
<212>		
<213>	Artificial Sequence	

<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	36	
ggacaa	actgc agctactct	19
<210>	37	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
	•	
<400>	37	
	actca ccttgcttg	19
<210>	38	
<211>		
<212>		
	Artificial Sequence	
(213)	metiticiai bequence	
<220>		
	DNA sequence corresponding to siRNA sense strand	
\2237	in construction of siRNA library	
	IN CONSCIUCTION OF STANK TIDIALY	
<400>	20	
	acat tcagctgac	19
gcacac	acat teagetgae	1)
<210>	30	
<211>		
<212>		
	Artificial Sequence	
\213/	Altificial bequence	
<220>		
	DNA sequence corresponding to siRNA sense strand	
\2237	in construction of siRNA library	
	In construction of SIRNA Tibrary	
<400>	20	
	acccc ccgcttatc	19
ggaaca	acce cogertate	19
<210>	40	
<210>		
<211>		
	Artificial Sequence	
·~±)/	Weiligat pedaeuce	
<220>		
	DNA sequence corresponding to siPNA sense strand	
~4437	DNA sequence corresponding to siRNA sense strand in construction of siRNA library	
	IN CONSCIUCTION OF STRING TIDIALY	
<100°	40	
<400>		19
gradec	cgatc cttatgatc	エラ
/210>	41	
<210>		
<211>		

	DNA	
<213>	Artificial Sequence	
	•	
<220>		
	DNA	
<2Z3>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	41	
atgtg	attgg tctgttgga	19
<210>	42	
<211>	19	
<212>		
	Artificial Sequence	
\Z13/	Altilitial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	42	
gtcate	caget ttgtgeeae	19
,		
<210>	43	
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	43	
taatt	cacag ggacctaaa	19
caacc	sacay ggaceraaa	
.010	4.4	
<210>		
<211>		
<212>	DNA	
<213>	7-161 1 1 0-1-1	
	Artificial Sequence	
	Artificial Sequence	
<220>	Artificial Sequence	
	DNA sequence corresponding to siRNA sense strand	
	DNA sequence corresponding to siRNA sense strand	
<223>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library	
<223>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library	10
<223>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library	19
<223>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 44 acttt gctcagtac	19
<223> <400> tgccta	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 44 acttt gctcagtac	19
<223>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 44 acttt gctcagtac	19
<223> <400> tgccta	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 44 acttt gctcagtac 45	19
<223> <400> tgccta <210> <211> <212>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 44 acttt gctcagtac 45	19
<223> <400> tgccta <210> <211> <212>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 44 acttt getcagtac 45 19 DNA	19
<223> <400> tgccta <210> <211> <212>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 44 acttt getcagtac 45 19 DNA	19
<223> <400> tgccta <210> <211> <212> <213> <220>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 44 acttt gctcagtac 45 19 DNA Artificial Sequence	19
<223> <400> tgccta <210> <211> <212> <213> <220>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 44 acttt gctcagtac 45 19 DNA Artificial Sequence	19
<223> <400> tgccta <210> <211> <212> <213> <220>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 44 acttt gctcagtac 45 19 DNA Artificial Sequence	19
<223> <400> tgccta <210> <211> <212> <213> <220>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library 44 acttt gctcagtac 45 19 DNA Artificial Sequence DNA sequence corresponding to siRNA sense strand in construction of siRNA library	19

cctacagaga actgcggtt

```
<210> 46
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 46
ttctccgagg tctaaagta
                                                                    19
<210> 47
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 47
ccagtggccg atccttatg
                                                                    19
<210> 48
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 48
ggccttttca cgggaactc
                                                                    19
<210> 49
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 49
                                                                    19
ctgaagaagc tactgcttg
<210> 50
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
```

<400>	50	
gacat	gcgaa tgacactag	19
<210>	51	
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
- 100		
<400>		1.0
agagga	aactc tctgcaagc	19
<210>	52	
<211>		
<211>		
	Artificial Sequence	
\213/	Altilitial Sequence	
<220>		
	DNA sequence corresponding to siRNA sense strand	
1225	in construction of siRNA library	
	In consciuotion of sham fishing	
<400>	52	
aaacto	gggag gctacttac	19
•		
<210>	53	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	53	
actgad	caaca aagtgcagc	19
<210>	54	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
	5.4	
<400>		1 ^
ctcaca	attgt ccaccagga	19
<21.0°	EE	
<210>		
<211>		
<212>		
\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Artificial Sequence	

<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
	•	
<400>	55	
gaccto	ytgcc ttttagaga	19
gaooeg	, egge ettetagaga	
<210>	56	
<211>		
<211>		
	Artificial Sequence	
\Z13 /	Artificial Sequence	
<220>		
	DNA sequence sequenceding to siDNA sense strend	
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>		
gactto	cattg acagtggcc	19
<210>	57	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	57	
aaaqqa	acaac tgcagctac	19
<210>	58	
<211>		
<212>		
	Artificial Sequence	
-225		
<220>		
	DNA sequence corresponding to siRNA sense strand	
12237	in construction of siRNA library	
	IN CONSCIUCTION OF SIRNA FIBRARY	
<400>	F.O.	
		1.0
cggagg	gggaa tgctcagaa	19
-0.7.5	50	
<210>		
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	59	
taaaga	atgge acttteeeg	19
<210>	60	
<211>	19	

<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	60	
aaggc	agcta aaggaagtg	19
1010		
<210>		
<211>		
<212>		
\Z13/	Artificial Sequence	
<220>		
	DNA sequence corresponding to siRNA sense strand	
\225/	in construction of siRNA library	
	In construction of Simm History	
<400>	61	
	ggcca gcagattac	19
	55 55	
<210>	62	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
	in construction of siRNA library	
<400>	62	
ttatg	acgct aggccacaa	19
<210>		
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
	DNA sequence corresponding to siRNA sense strand	
\223/	in construction of siRNA library	
	in construction of sinds library	
<400>	63	
	aagat ccctttgag	19
22 2		
<210>	64	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	DNA sequence corresponding to siRNA sense strand	
<223>	DNA sequence corresponding to siRNA sense strand in construction of siRNA library	
<223>		

acaaaaacgg agatccgtc

```
<210> 65
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 65
                                                                    19
ataagcagca agaaacggc
<210> 66
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 66
gaatttcggg ctactttgg
                                                                    19
<210> 67
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 67
cgcaccttcc atgtggaga
                                                                    19
<210> 68
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 68
agacgttttt gtgctgtgg
                                                                    19
<210> 69
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
```

```
<400> 69
gctggagaac ctcatgctg
                                                                   19
<210> 70
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
      in construction of siRNA library
<400> 70
ctctaccact gaagagttg
                                                                   19
<210> 71
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> DNA sequence corresponding to siRNA sense strand
```